

FIG. 1A.

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LIST OF FOODS APPROVED FOR IRRADIATION IN THE USA

PRODUCT	TYPE OF CLEARANCE	DATE	DOSE MAX (kGy)
ANIMAL FEED AND PET FOOD	UNCONDITIONAL	SEP-95	25.00
APPLE	UNCONDITIONAL	APR-86	1.00
APRICOT	UNCONDITIONAL	APR-86	1.00
APRICOT (DRIED)	UNCONDITIONAL	APR-86	1.00
AVACADO	UNCONDITIONAL	APR-86	1.00
BANANA	UNCONDITIONAL	APR-86	1.00
CHERRIES	UNCONDITIONAL	APR-86	1.00
CHICKEN	UNCONDITIONAL	MAY-90	3.00
CHICKEN MEAT (MECHANICALLY SEPARATED)	UNCONDITIONAL	MAY-90	3.00
CURRANTS, RED	UNCONDITIONAL	APR-86	1.00
DATES	UNCONDITIONAL	APR-86	1.00
ENZYMES (DEHYDRATED)	UNCONDITIONAL	APR-86	10.00
FIGS (DRIED)	UNCONDITIONAL	APR-86	1.00
FRUIT	UNCONDITIONAL	APR-86	1.00
FRUITS (DRIED)	UNCONDITIONAL	APR-86	1.00
GRAPES	UNCONDITIONAL	APR-86	1.00
GUAVA	UNCONDITIONAL	APR-86	1.00
HERBS	UNCONDITIONAL	APR-86	30.00
JUJUBE (DRIED)	UNCONDITIONAL	APR-86	1.00
LEMON	UNCONDITIONAL	APR-86	1.00
LITCHI	UNCONDITIONAL	APR-86	1.00
MANDARIN	UNCONDITIONAL	APR-86	1.00
MANGO	UNCONDITIONAL	APR-86	1.00
MEAT	UNCONDITIONAL	DEC-97	4.50
MELON	UNCONDITIONAL	DEC-97	7.00
ORANGE	UNCONDITIONAL	APR-86	1.00
PAPAYA	UNCONDITIONAL	APR-86	1.00
POTATO	UNCONDITIONAL	JAN-64	0.15
PEAR	UNCONDITIONAL	APR-86	1.00
PARSIMMON	UNCONDITIONAL	APR-86	1.00
PINEAPPLE	UNCONDITIONAL	APR-86	1.00
PLUM	UNCONDITIONAL	APR-86	1.00
PORK	UNCONDITIONAL	JUL-85	1.00
POULTRY	UNCONDITIONAL	MAR-90	3.00
POULTRY PRODUCTS	UNCONDITIONAL	MAR-90	3.00
RAISINS	UNCONDITIONAL	APR-86	1.00
SPICES	UNCONDITIONAL	APR-86	30.00
STRAWBERRY	UNCONDITIONAL	APR-86	1.00
VEGETABLES	UNCONDITIONAL	APR-86	1.00
VEGETABLES (DRIED)	UNCONDITIONAL	APR-86	1.00
VEGETABLE SEASONINGS	UNCONDITIONAL	APR-86	30.00
WHEAT	UNCONDITIONAL	JAN-63	0.50
WHEAT FLOUR	UNCONDITIONAL	JAN-63	0.50
WHITE POTATOES	UNCONDITIONAL	JAN-64	0.15

FIG. 1B.

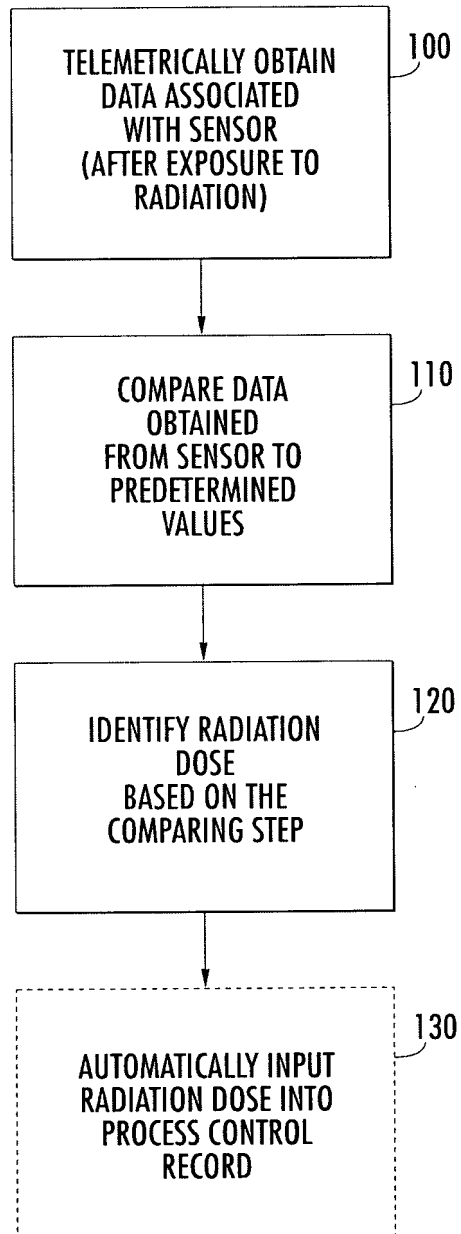


FIG. 2.

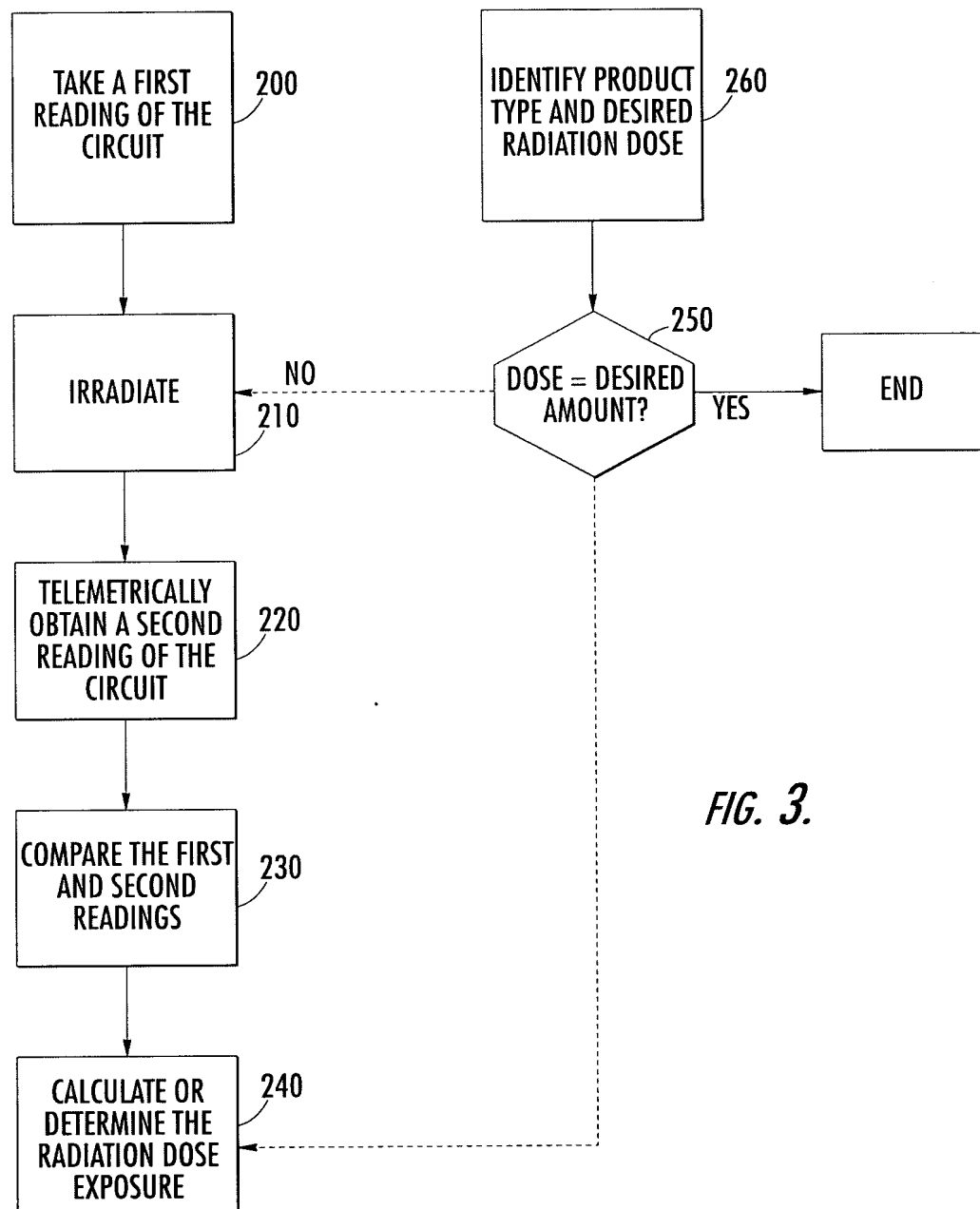
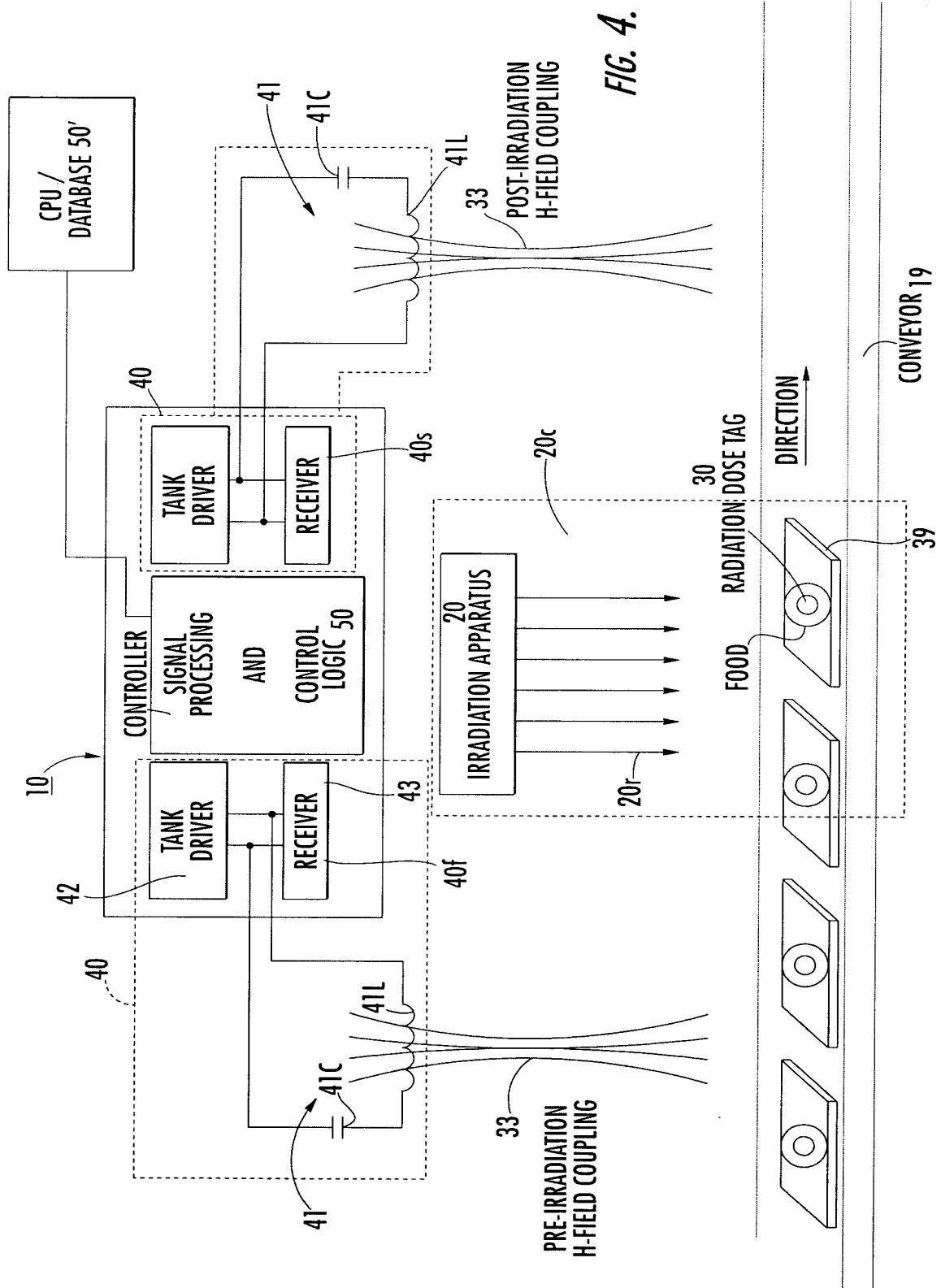


FIG. 3.



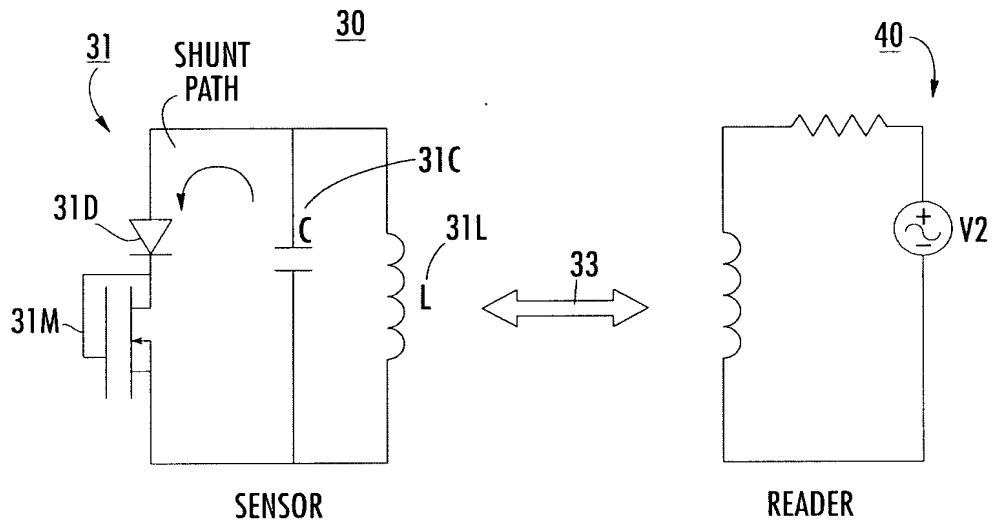
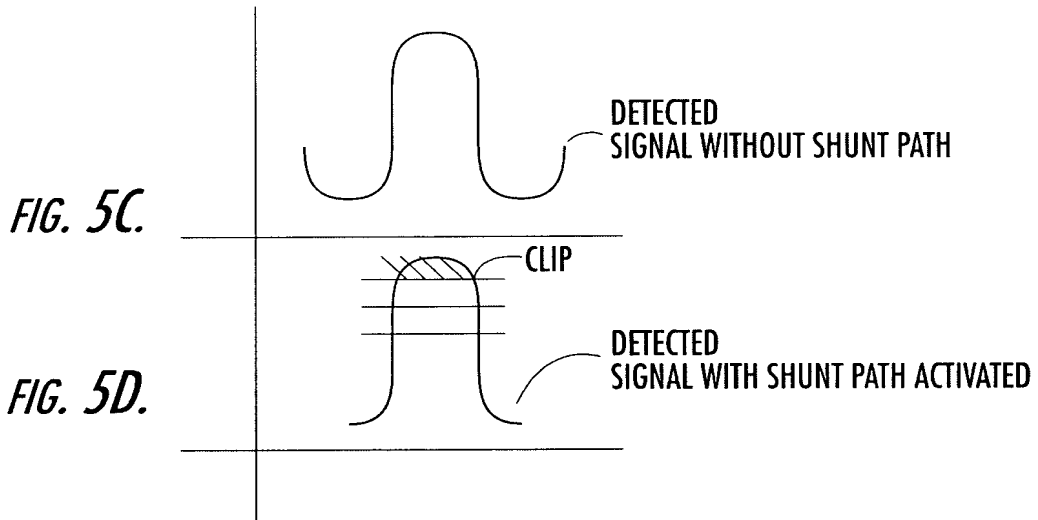


FIG. 5A.



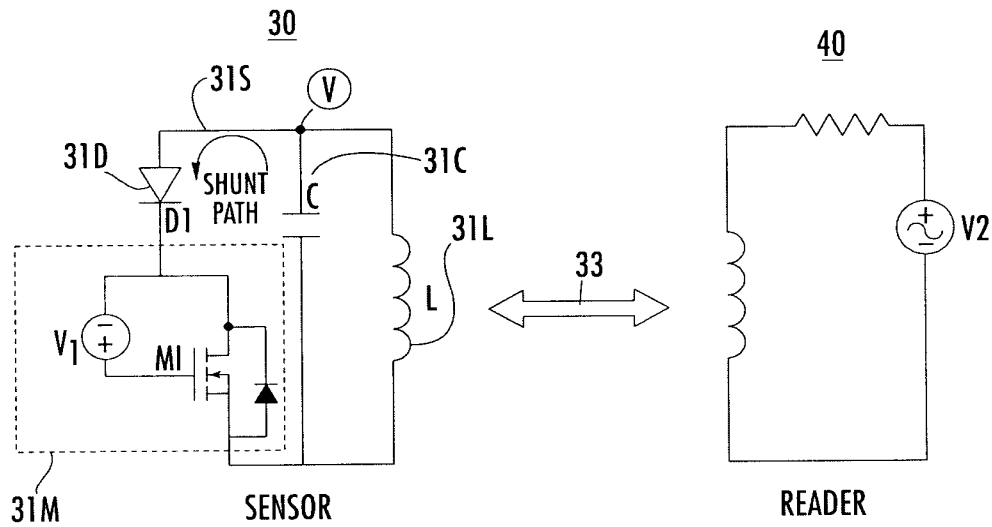


FIG. 5B.

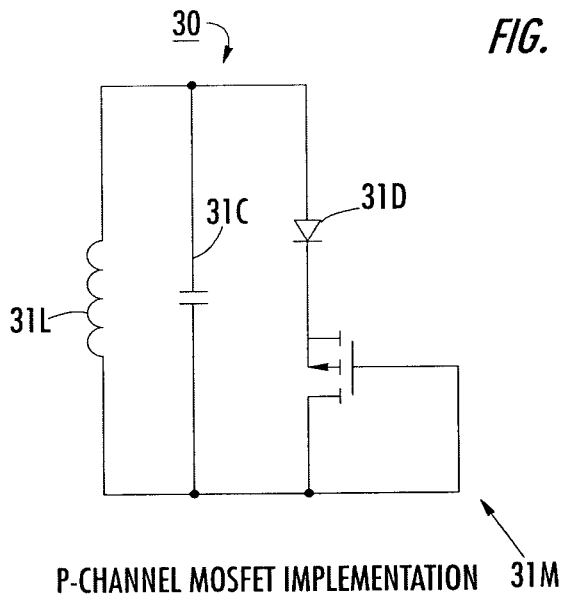


FIG. 5E.

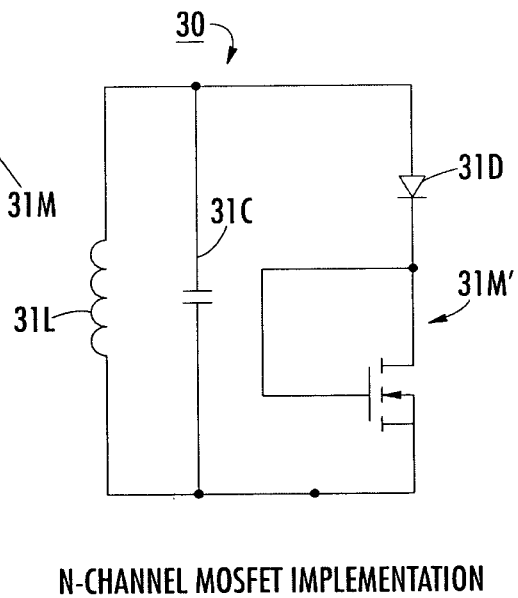


FIG. 5F.

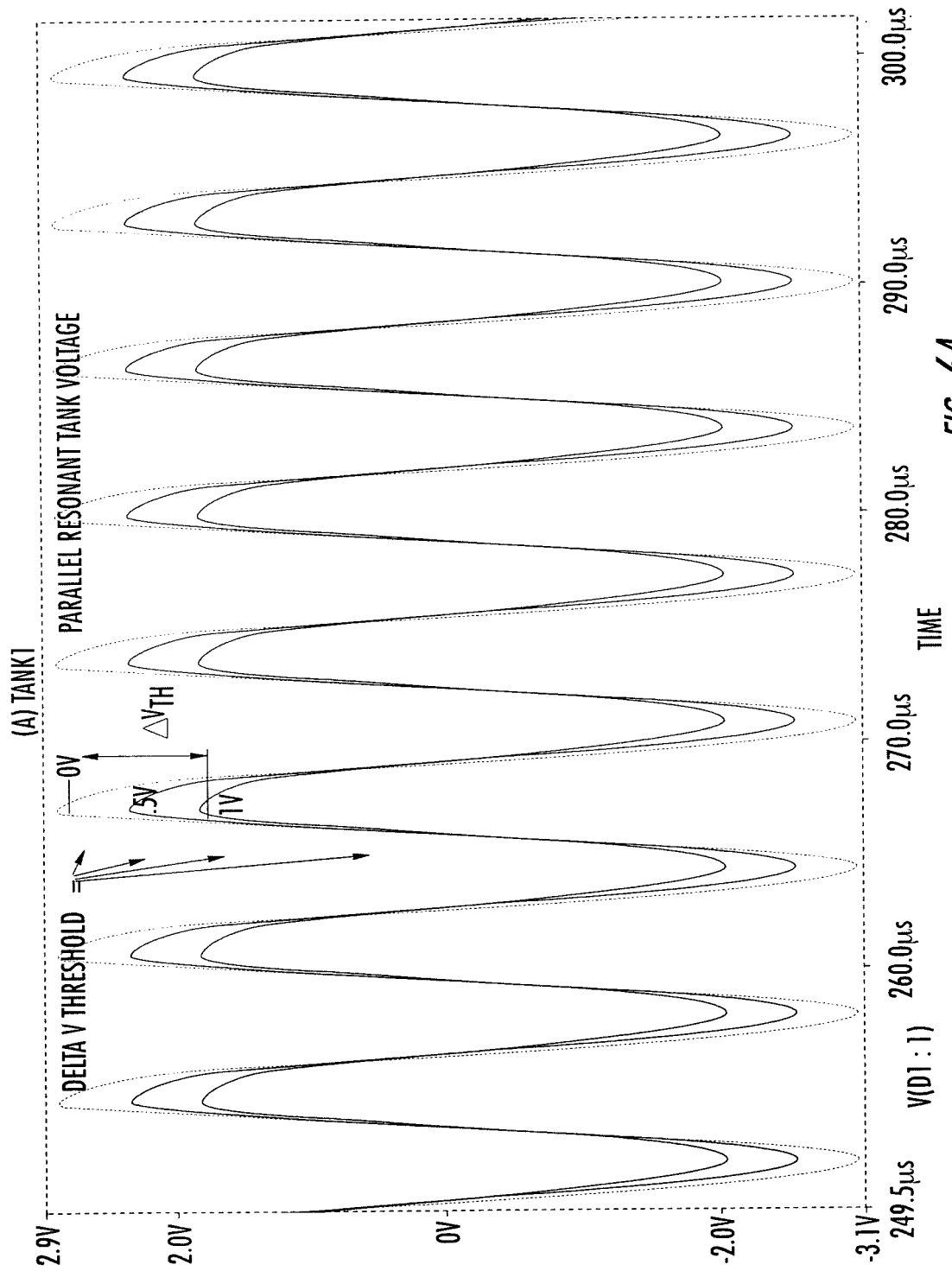


FIG. 6A.

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N CHANNEL

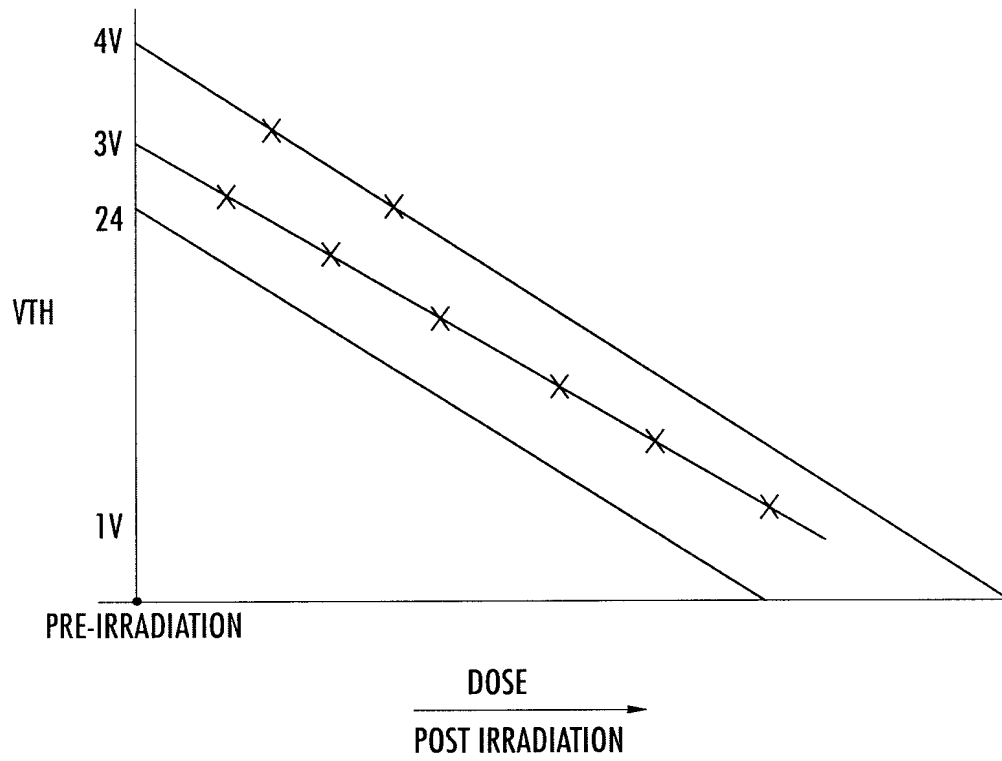


FIG. 6B.

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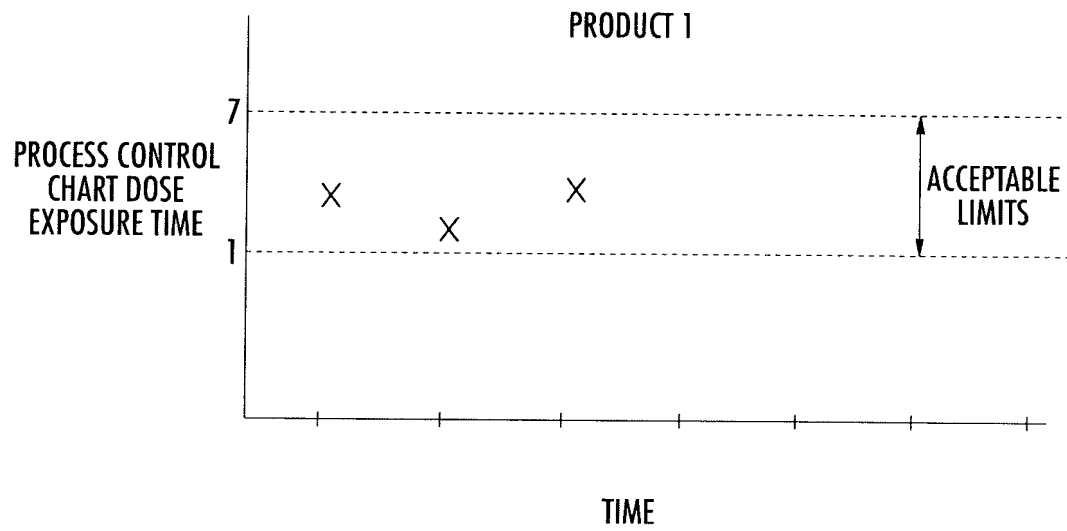


FIG. 7A.

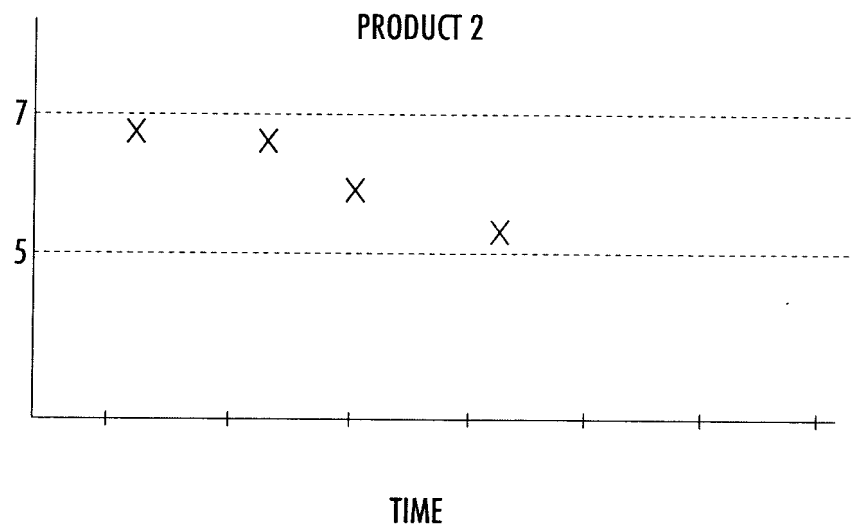
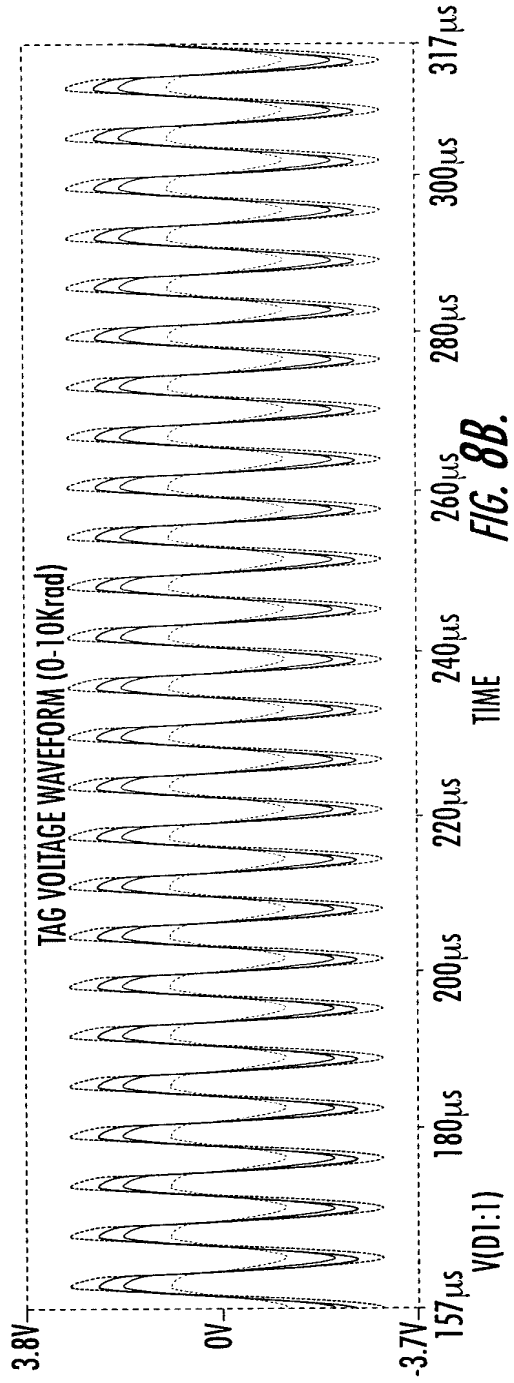
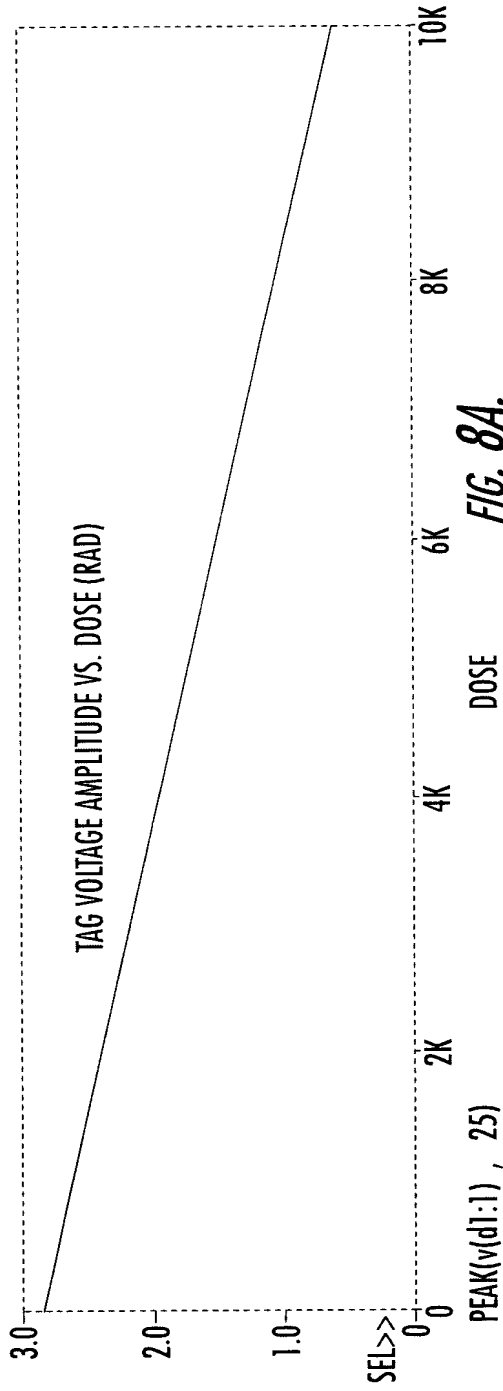


FIG. 7B.

(A) TANK1



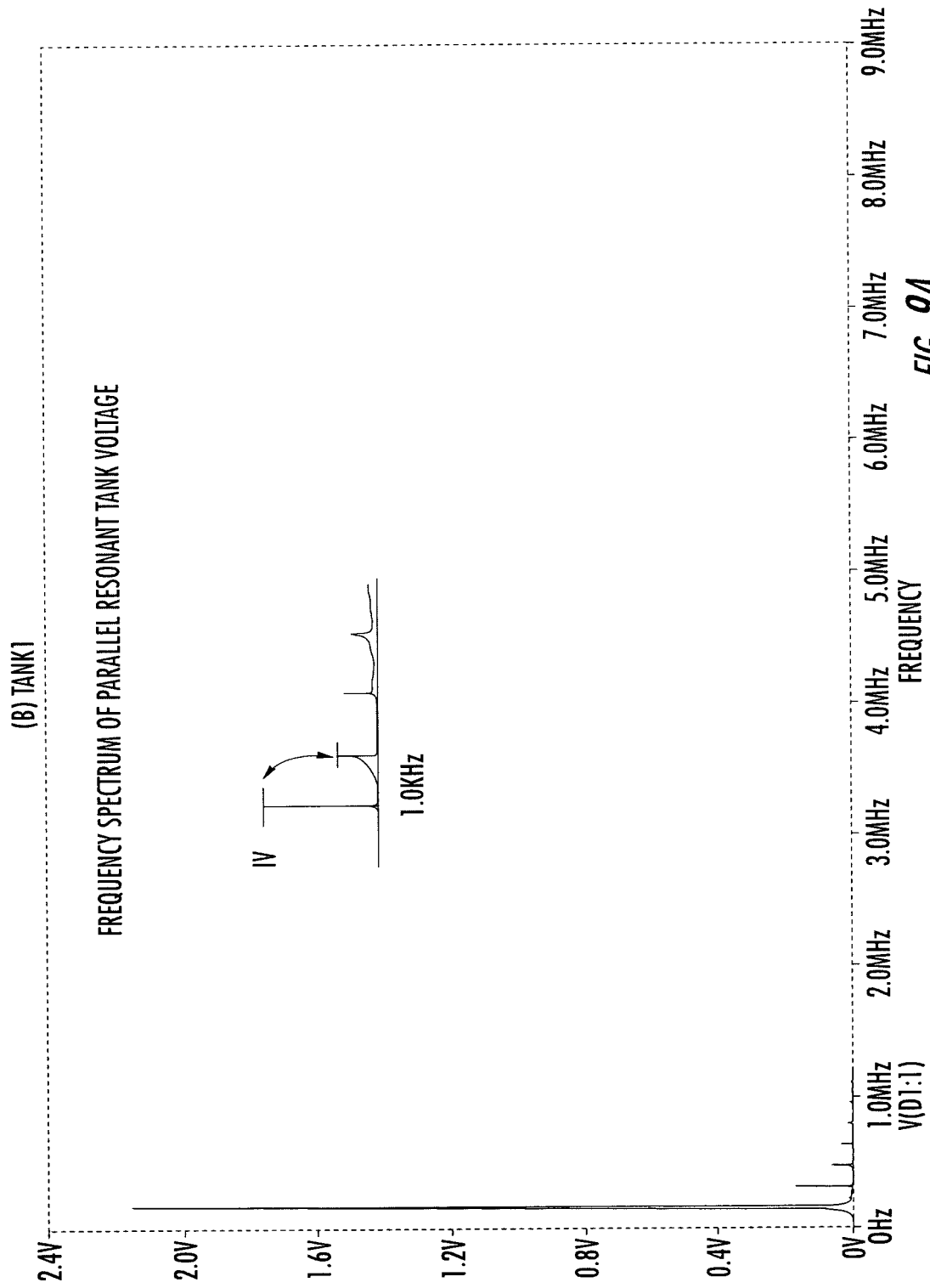


FIG. 9A.

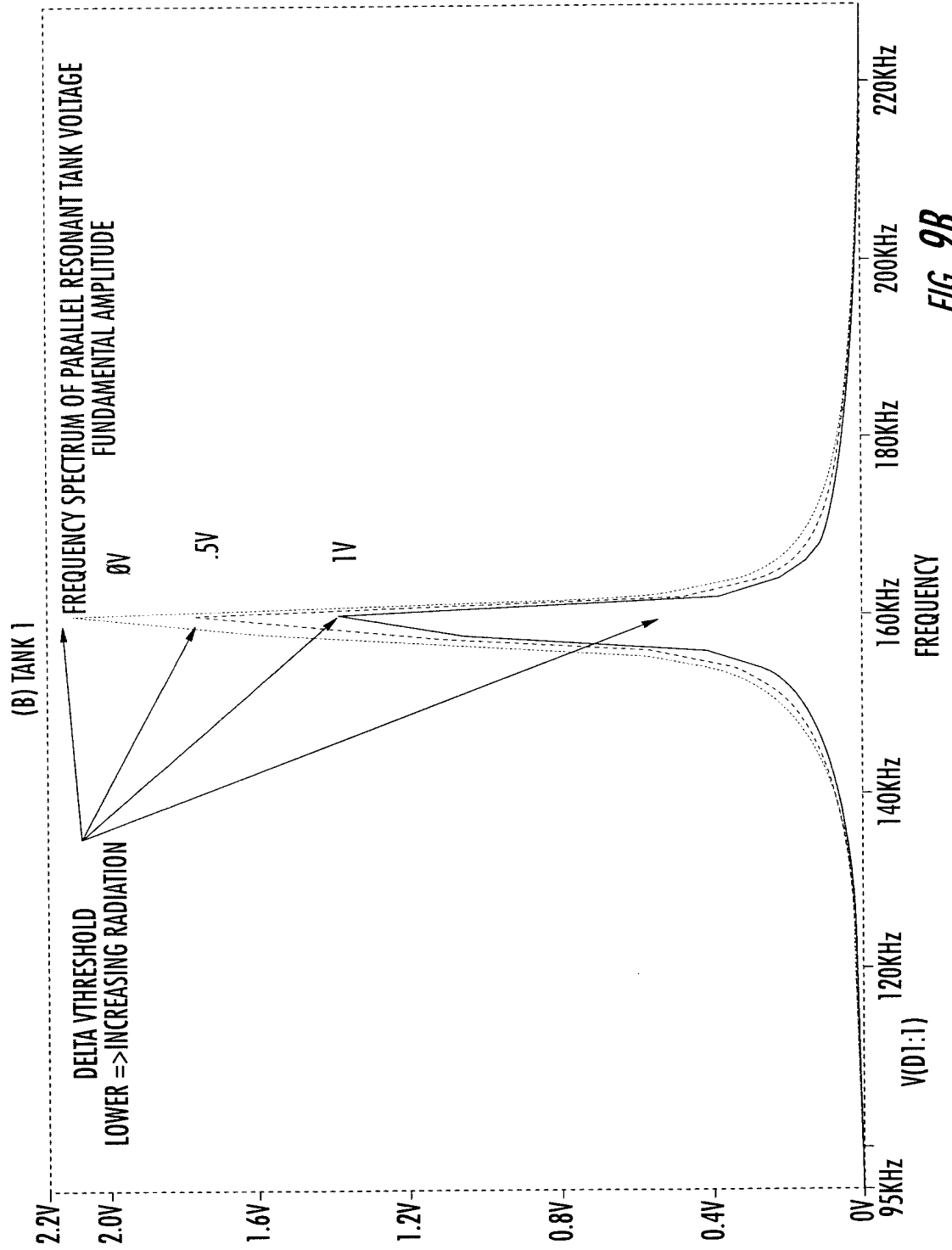


FIG. 9B.

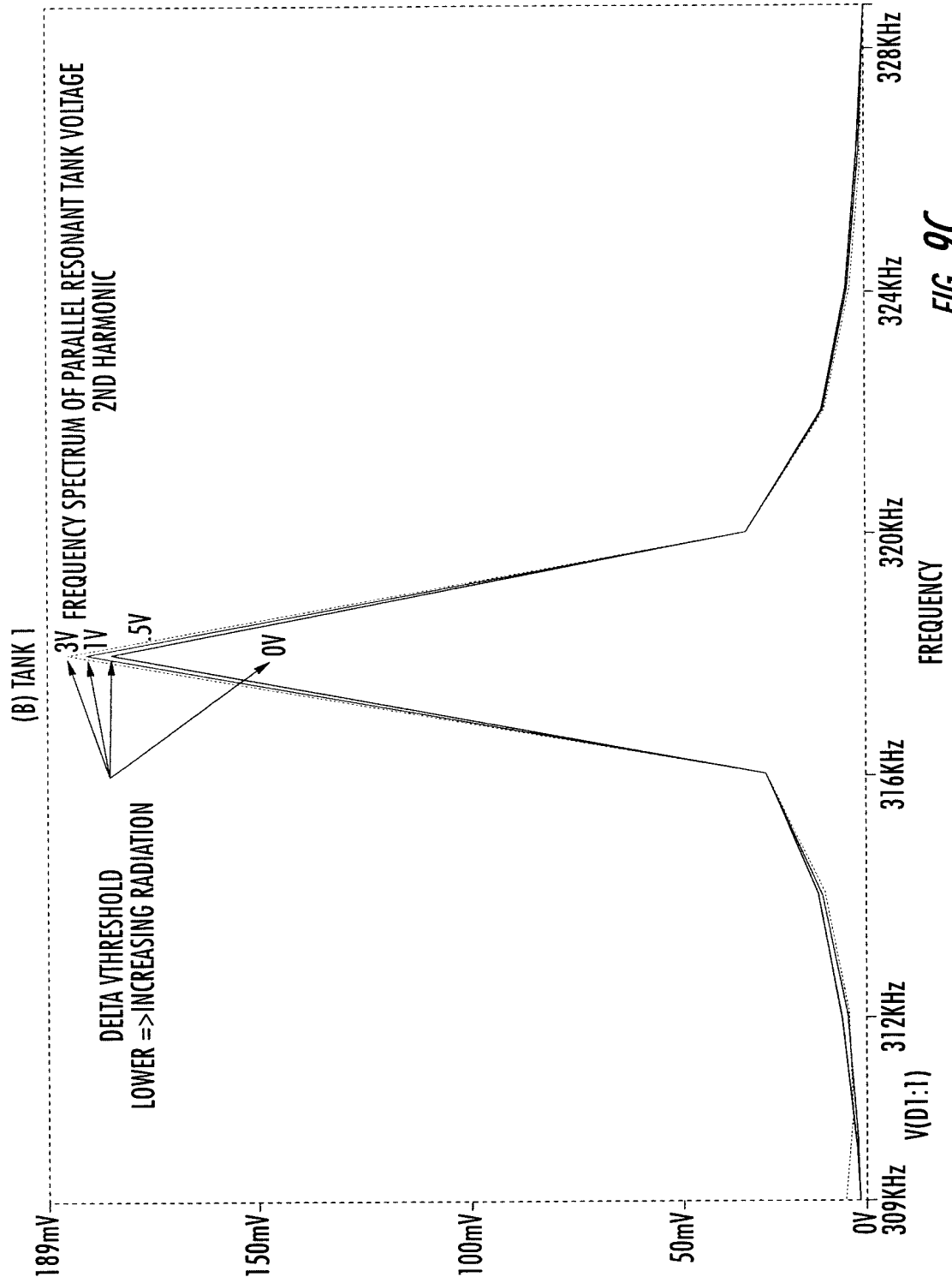


FIG. 9C.

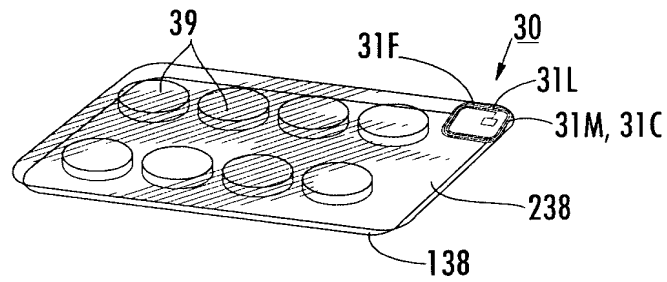


FIG. 10.

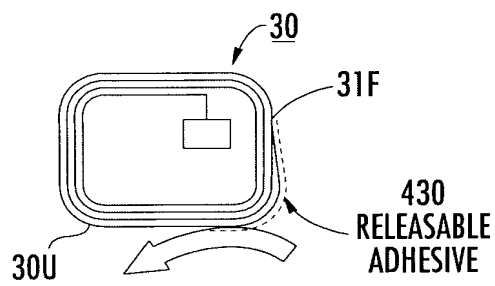


FIG. 11A.



FIG. 11B.



FIG. 11C.

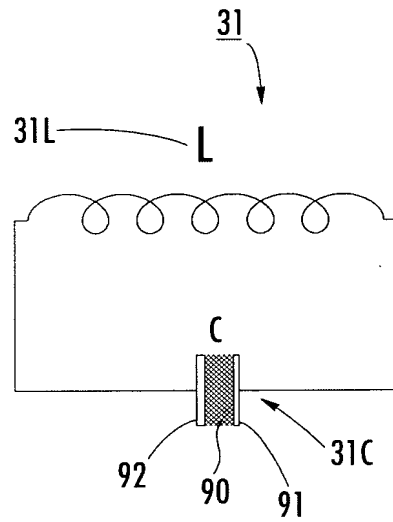


FIG. 12A.

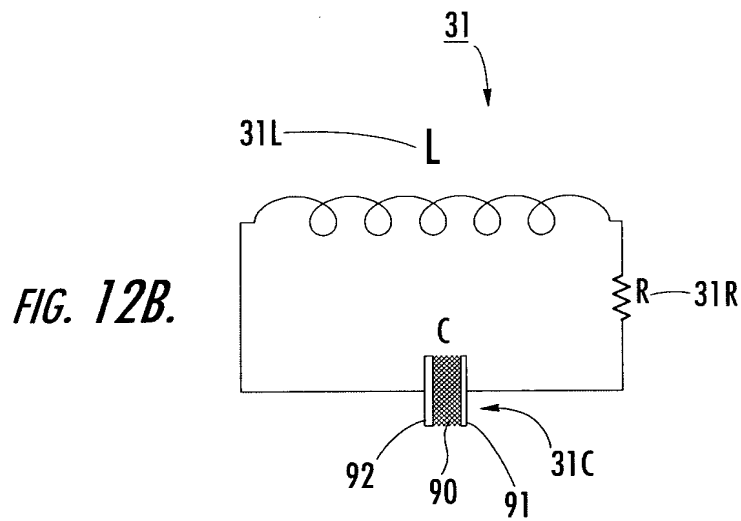
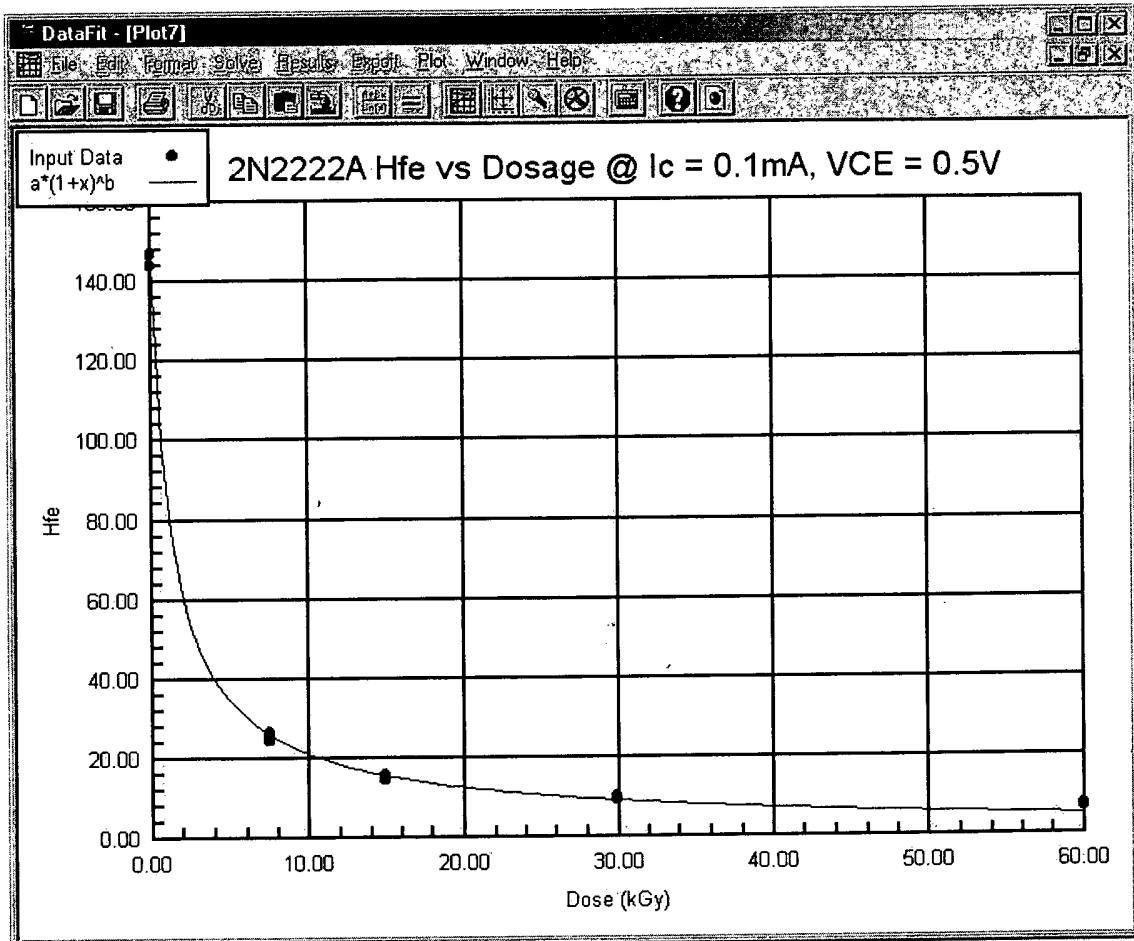


FIG. 12B.



2N2222A H_{fe} vs. Total Dose.

FIG. 13.

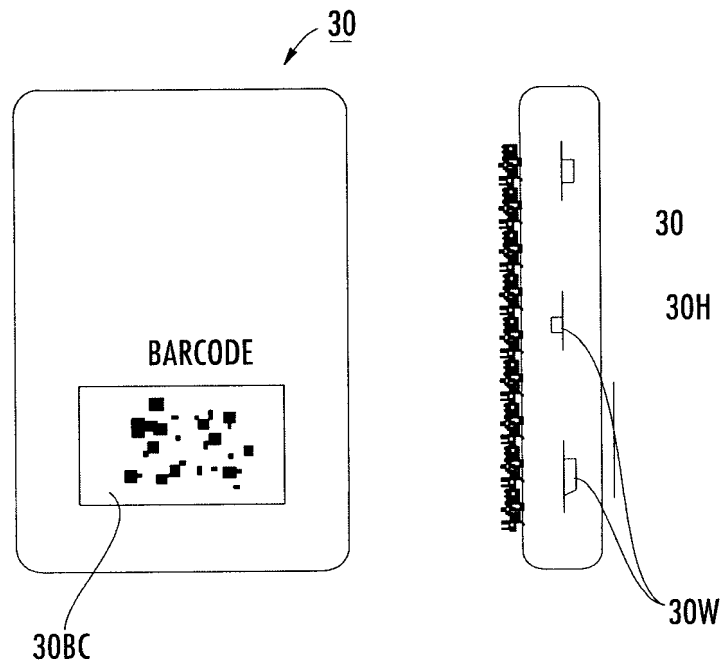


FIG. 14.

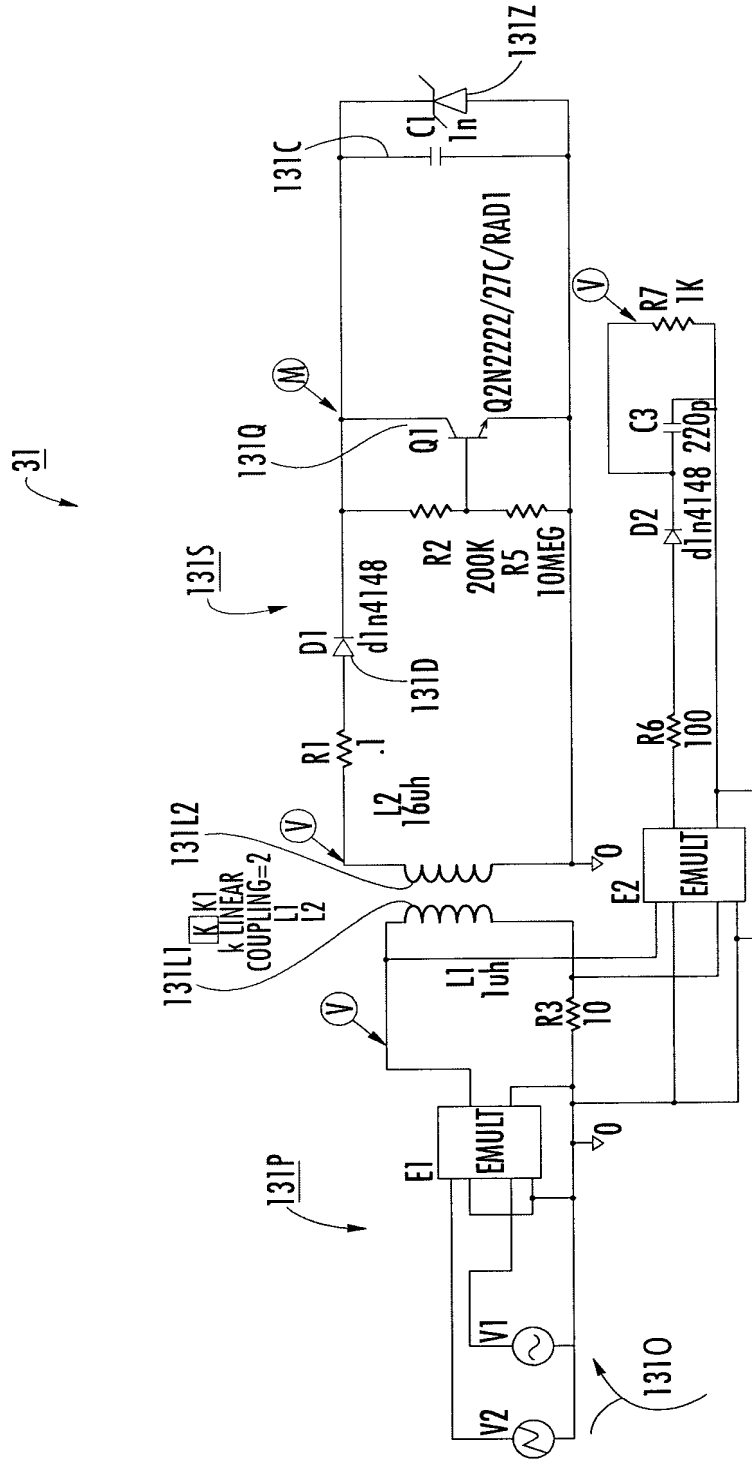


FIG. 17.

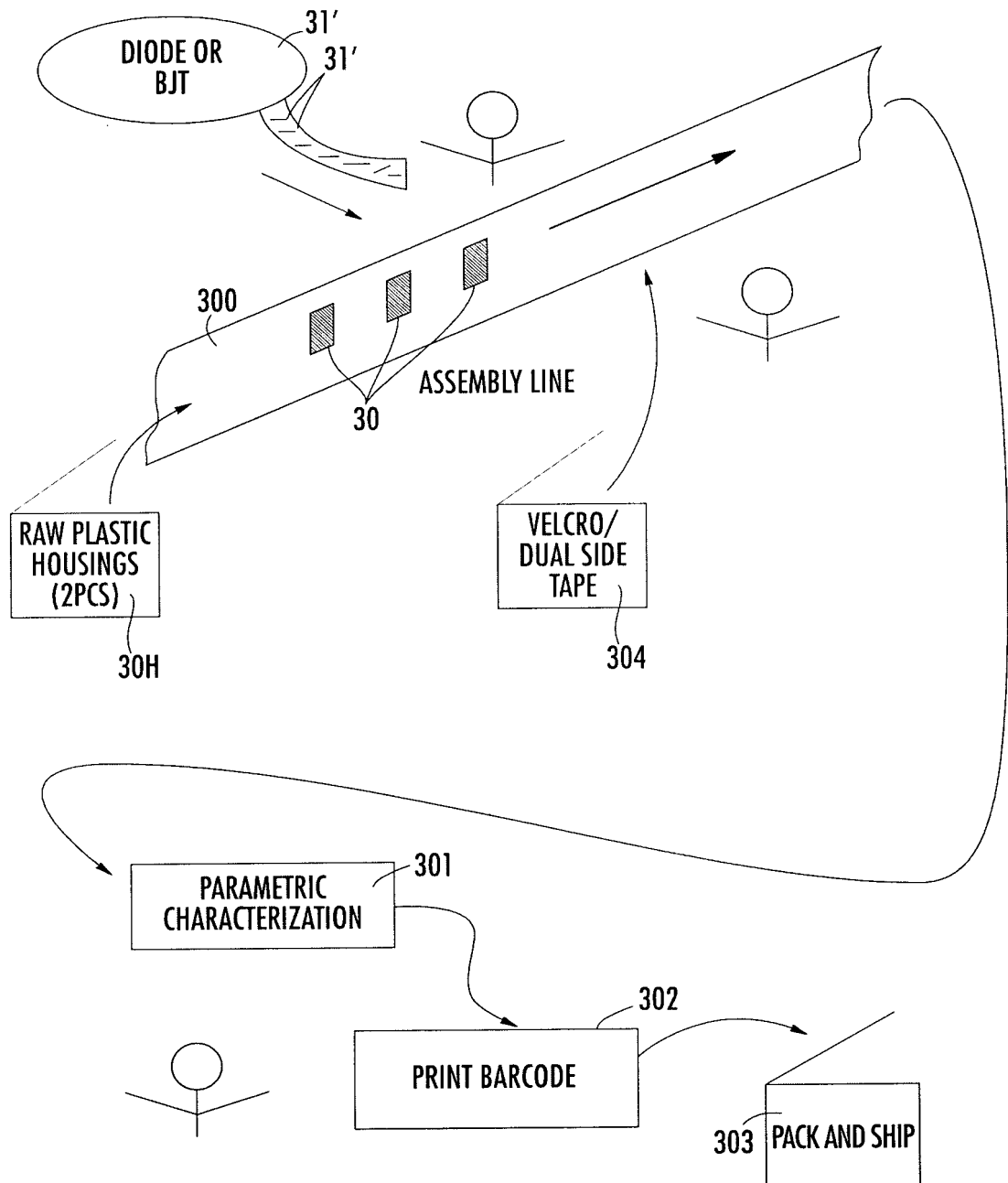


FIG. 15.

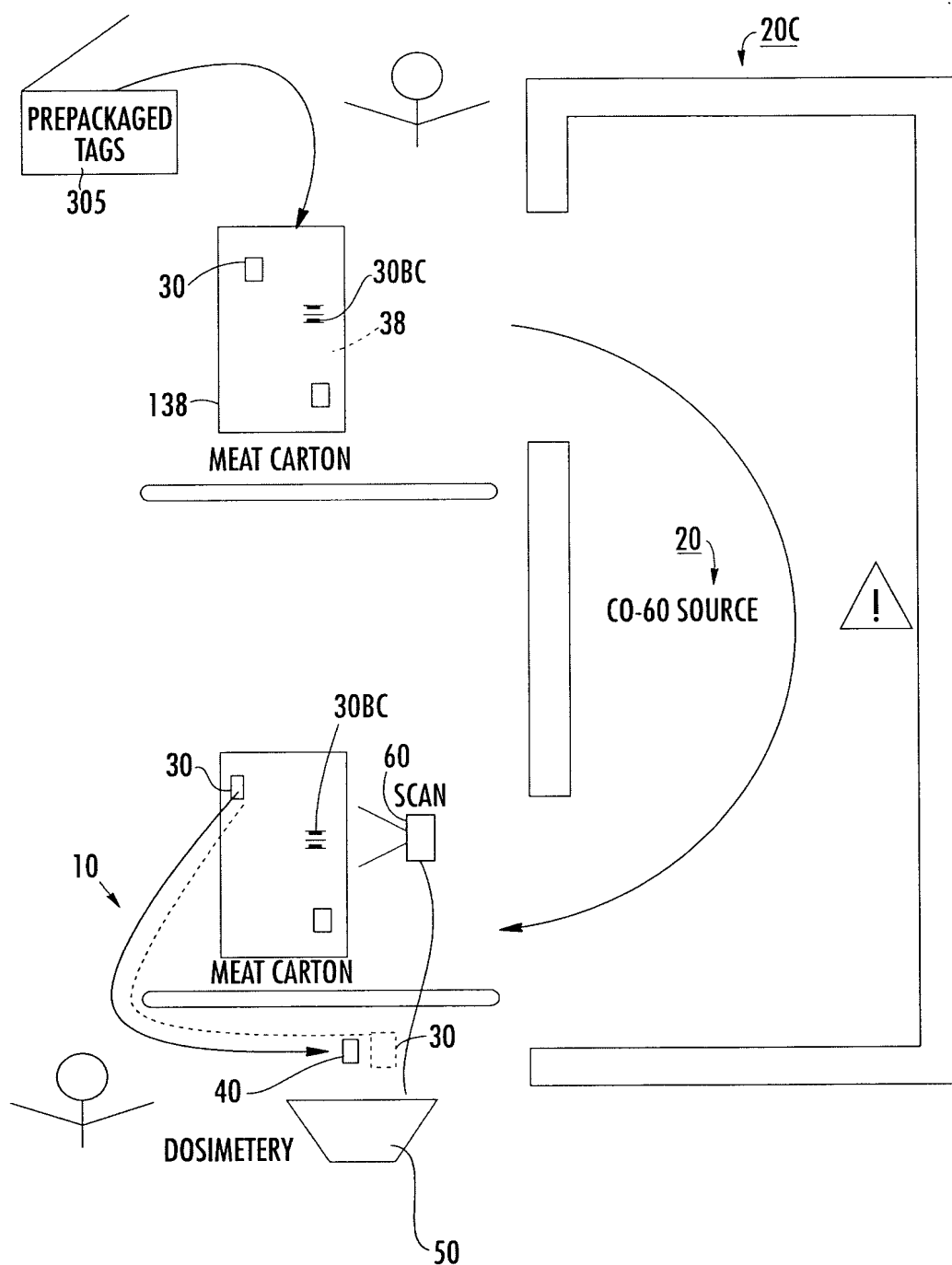
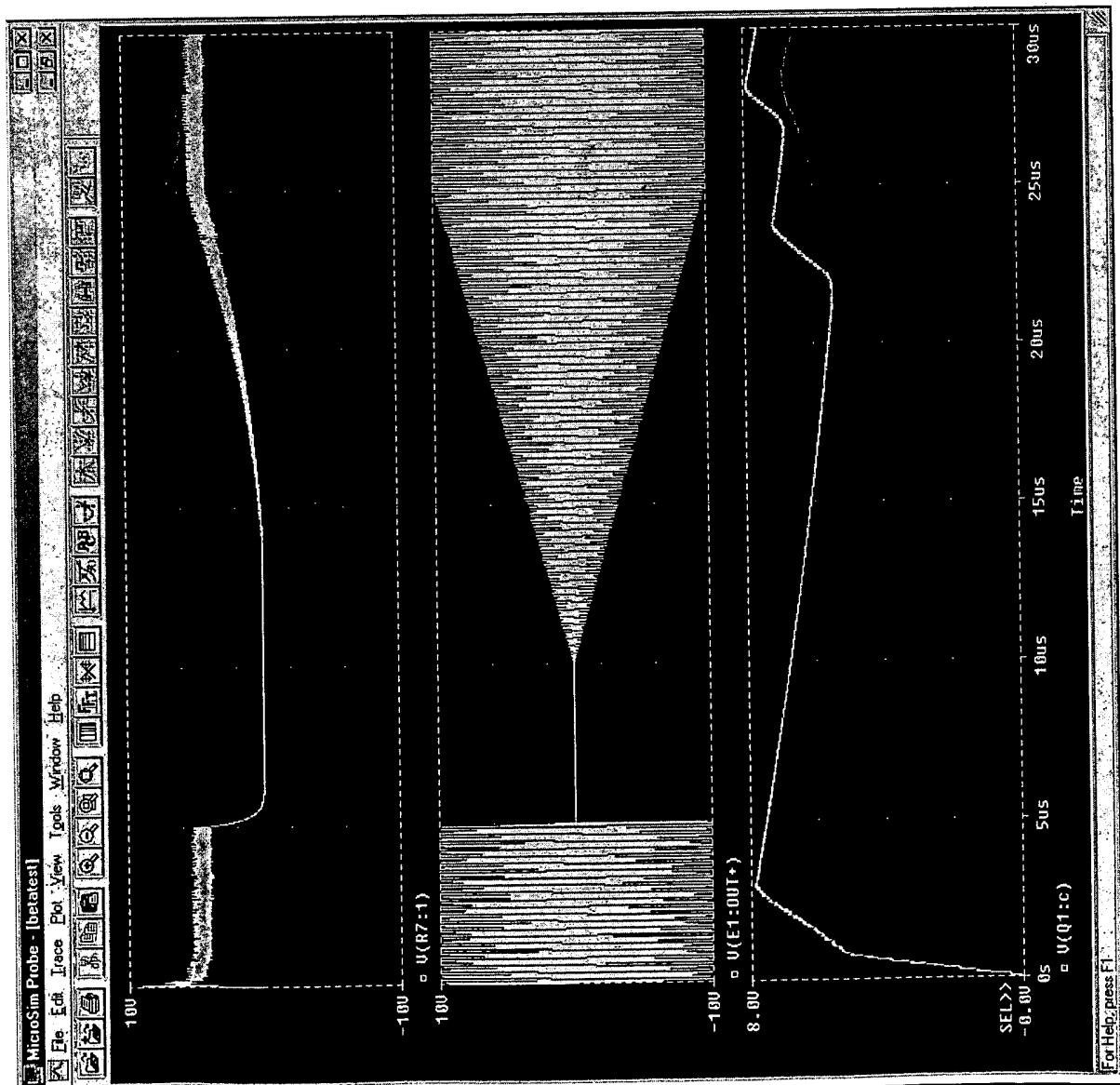


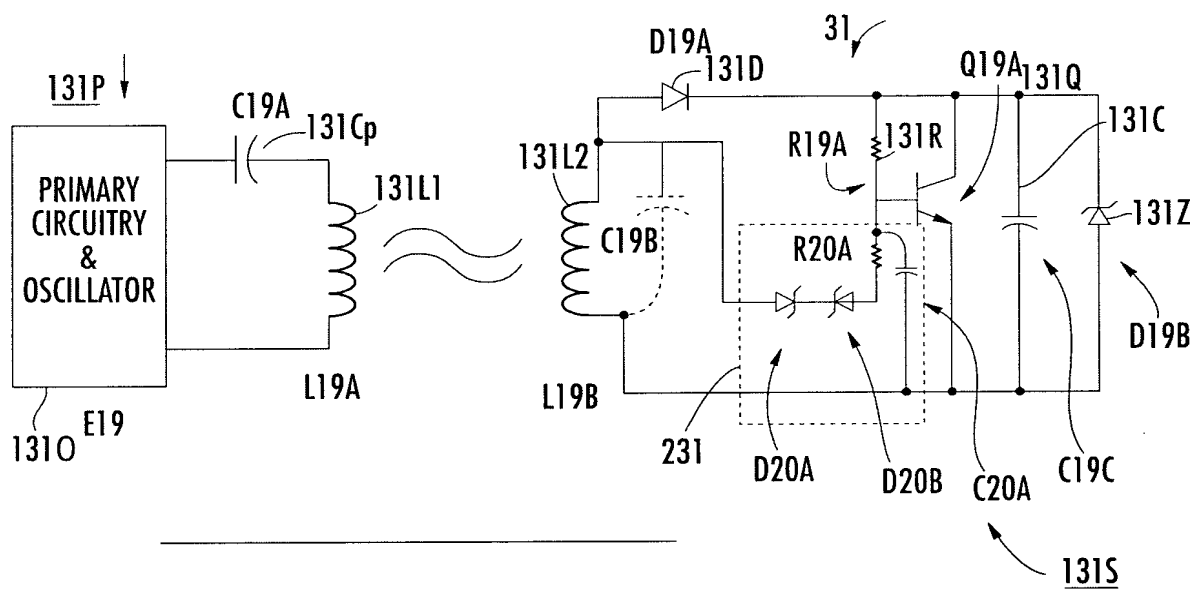
FIG. 16.

Operational waveforms
FIG. 18A.

Operational waveforms
FIG. 18B.

Operational waveforms
FIG. 18C.





(F) betatest 125dc_works2 Temperature: 27.0

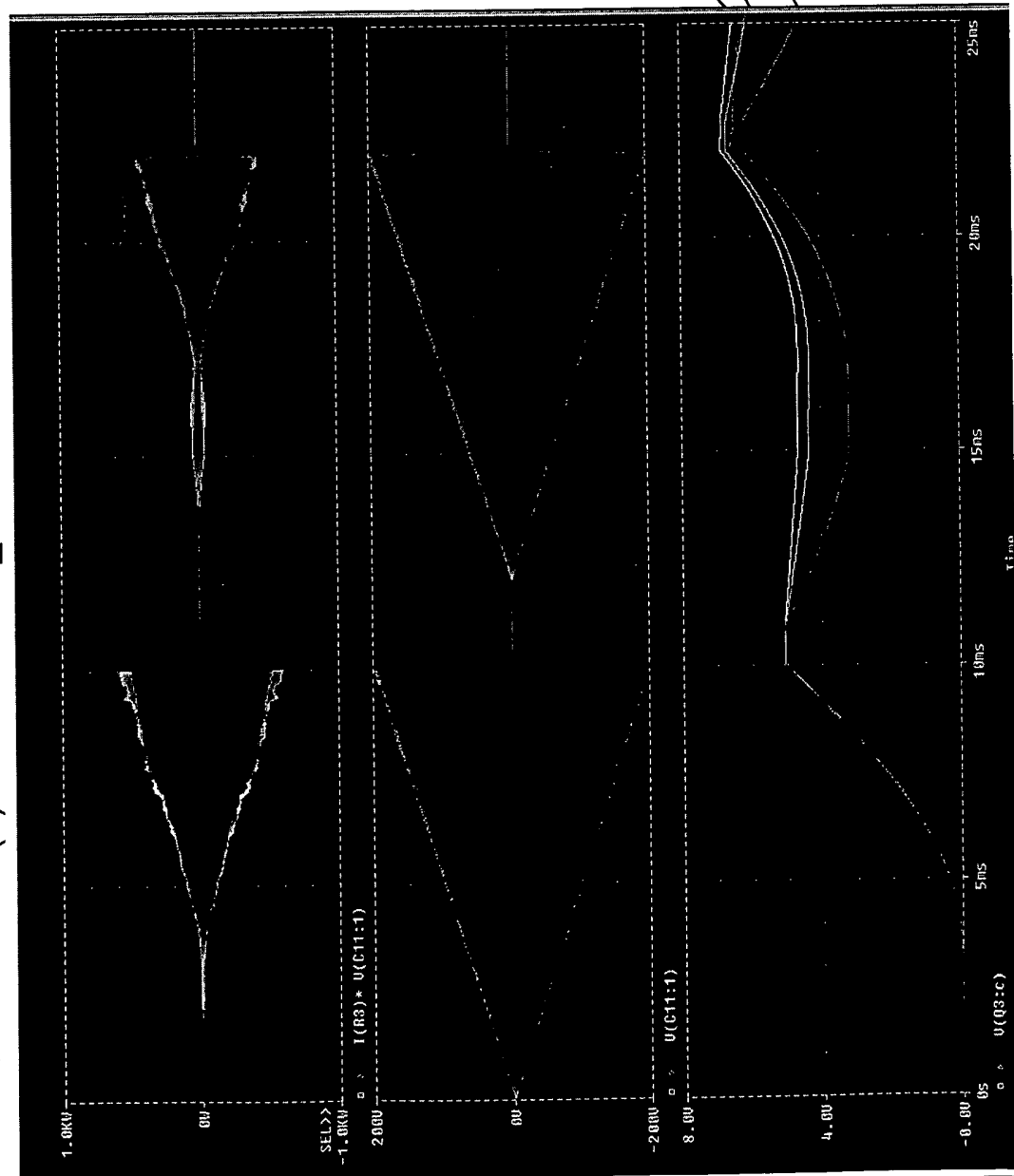


FIG. 21A.

FIG. 21B.

H_{fe}=10
H_{fe}=20
H_{fe}=80

FIG. 21C.

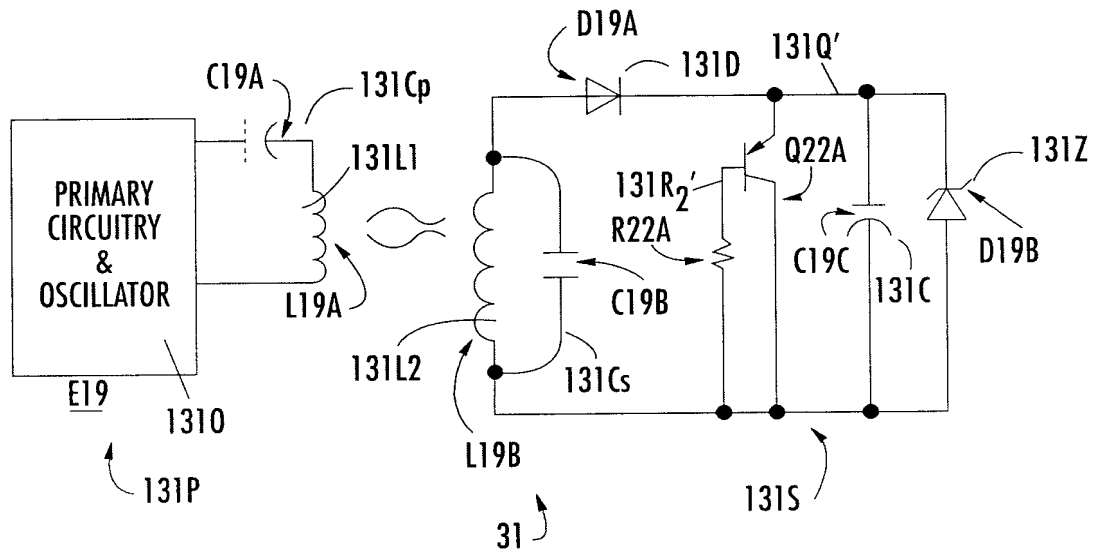


FIG. 22.

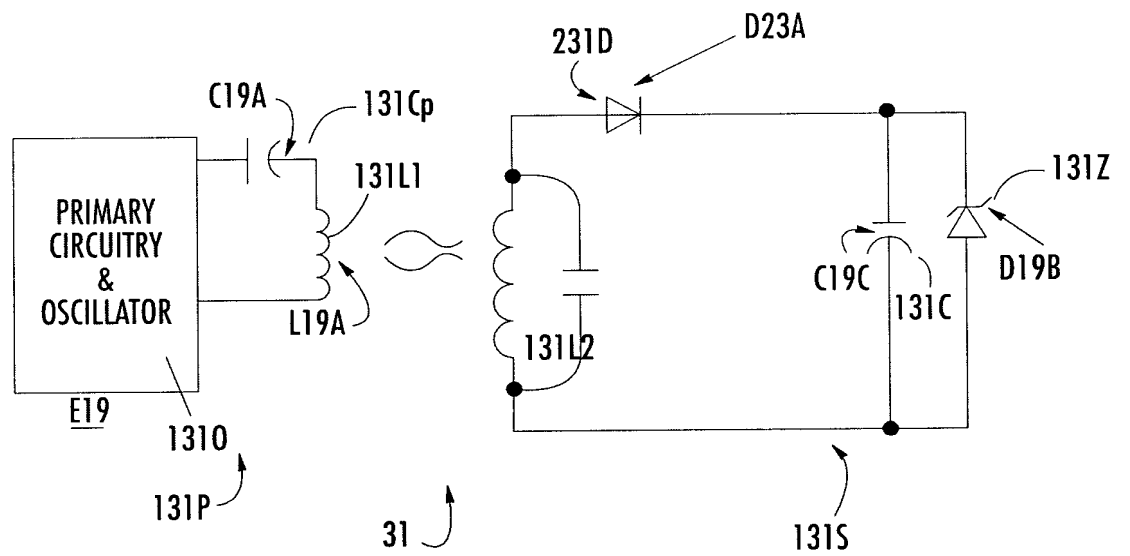


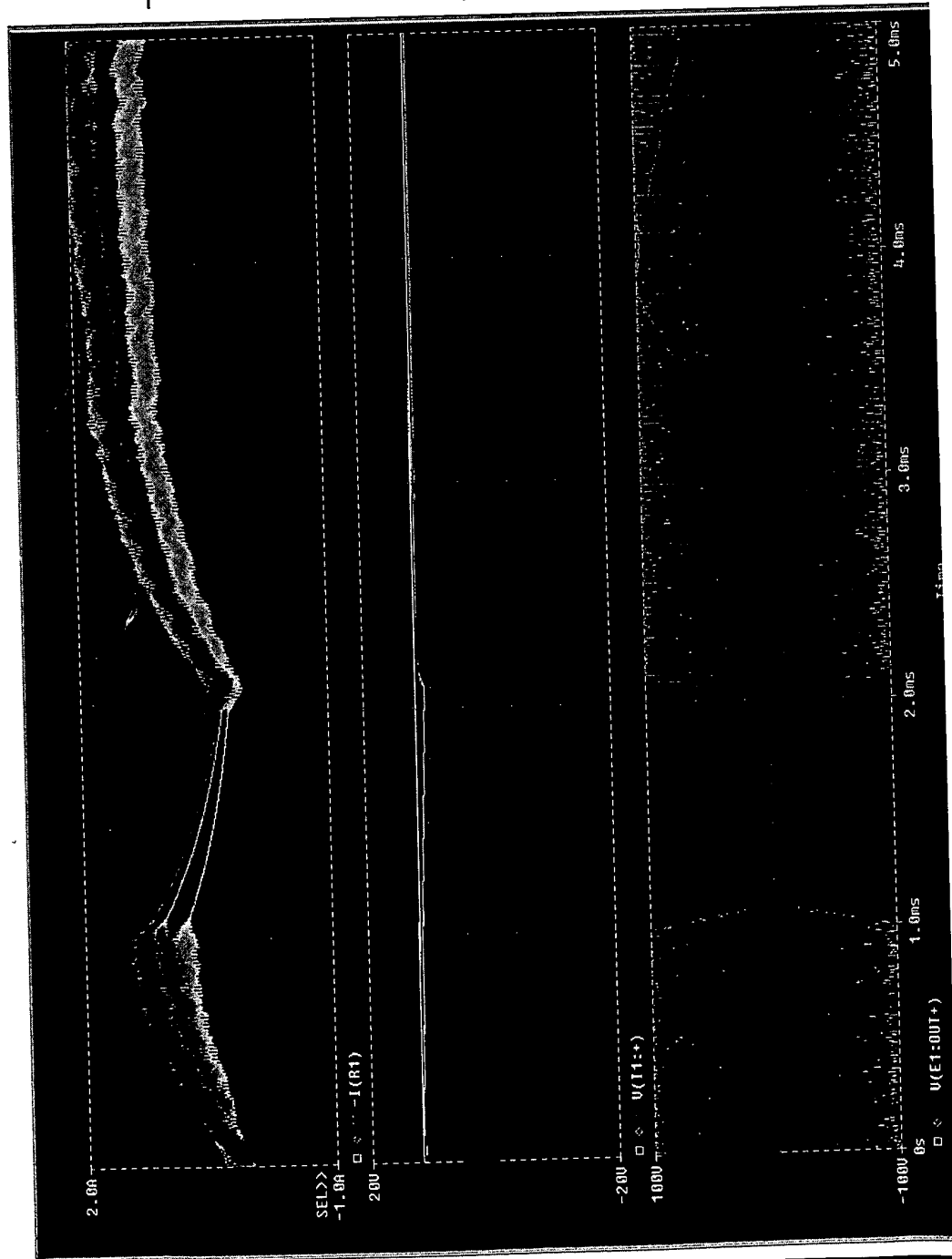
FIG. 23.

Temperature: 27.0

FIG. 24A.

FIG. 24B.

FIG. 24C.



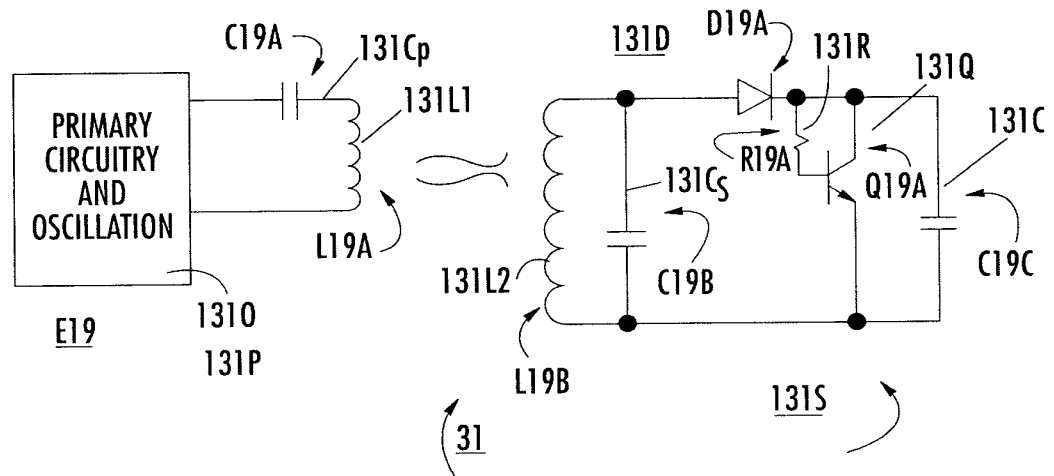


FIG. 25.

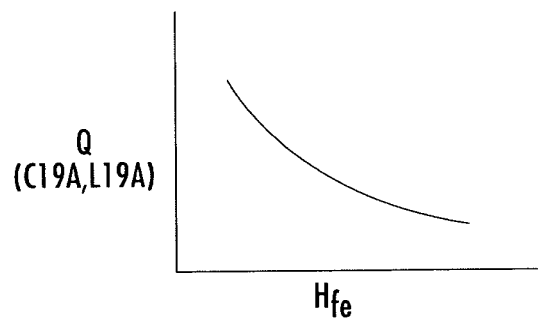


FIG. 26.

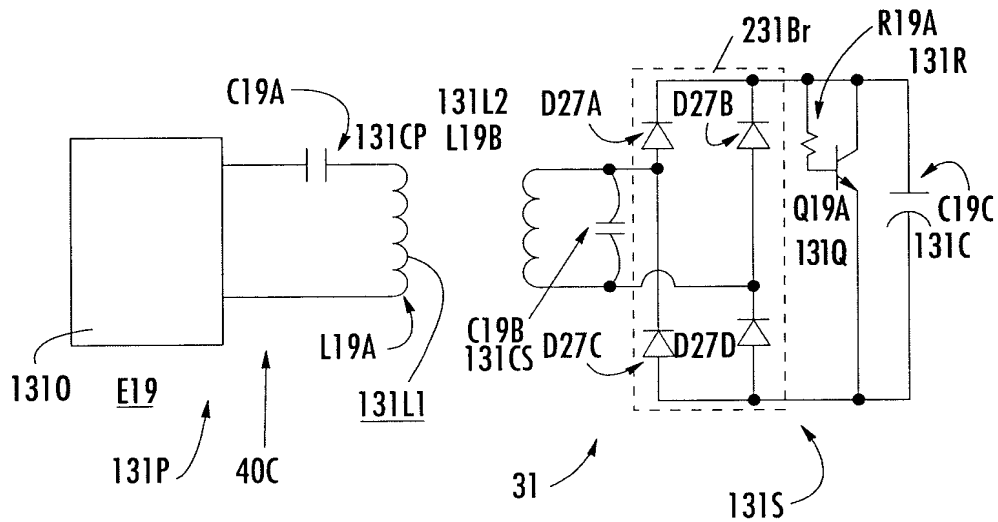


FIG. 27.

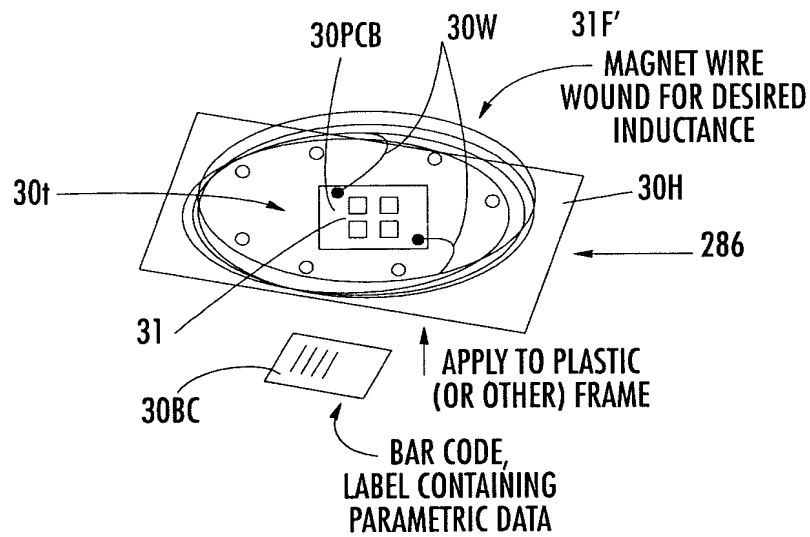


FIG. 28. DOSIMETRY TAG